

SAMPLE NAME: Grounded

Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: Tonic CBD

License Number:

Address: 2466 Pennsylvania Ave
Sayre PA 18840

SAMPLE DETAIL

Batch Number: 0013WP-A

Sample ID: 210429X021

Date Collected: 04/29/2021

Date Received: 04/29/2021

Batch Size:

Sample Size: 1.0 units

Unit Mass: 28.536 grams per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 54.960 mg/unit

Total CBD: 1562.061 mg/unit

Sum of Cannabinoids: 1760.728 mg/unit

Total Cannabinoids: 1760.100 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
 Total THC = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDA} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDA} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Moisture: NT

Density: 0.9512 g/mL

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

$\Delta 9\text{THC}$ per Unit: ✔ PASS

Foreign Material: NT

Water Activity: NT

Vitamin E: NT

Pesticides: NT

Mycotoxins: NT

Residual Solvents: ✔ PASS

Heavy Metals: NT

Microbiology (PCR): NT

Microbiology (Plating): NT

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 16 Effect Date January 16, 2019. Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Ali Bradford *Josh Wurzer*
 LQC verified by: Alexandria Bradford Date: 05/03/2021
 Approved by: Josh Wurzer, President Date: 05/03/2021



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 54.960 mg/unit

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 1562.061 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 1760.100 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: 36.155 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 91.715 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 11.557 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 05/02/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±2.6145	54.582	5.4582
CBC	0.003 / 0.010	±0.1331	3.214	0.3214
$\Delta 9$ THC	0.002 / 0.014	±0.1358	1.926	0.1926
CBG	0.002 / 0.006	±0.0788	1.267	0.1267
CBDV	0.002 / 0.012	±0.0212	0.405	0.0405
CBDA	0.001 / 0.026	±0.0066	0.180	0.0180
CBL	0.003 / 0.010	±0.0044	0.094	0.0094
CBN	0.001 / 0.007	±0.0013	0.034	0.0034
THCa	0.001 / 0.005	N/A	ND	ND
$\Delta 8$ THC	0.01 / 0.02	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			61.702 mg/g	6.1702%

Unit Mass: 28.536 grams per Unit

$\Delta 9$ THC per Unit	1120 per-package limit	54.960 mg/unit	PASS
Total THC per Unit		54.960 mg/unit	
CBD per Unit		1557.552 mg/unit	
Total CBD per Unit		1562.061 mg/unit	
Sum of Cannabinoids per Unit		1760.728 mg/unit	
Total Cannabinoids per Unit		1760.100 mg/unit	

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

0.9512 g/mL

Tested 05/02/2021

Method: QSP 7870 - Sample Preparation

VISCOSITY TEST RESULT

Not Tested



 **Residual Solvents Analysis**

CATEGORY 1 RESIDUAL SOLVENTS TEST RESULTS - 05/03/2021 ✔ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
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CATEGORY 2 RESIDUAL SOLVENTS TEST RESULTS - 05/03/2021 ✔ PASS

Acetone	20 / 50	5000	N/A	ND	PASS
Acetonitrile	2 / 7	410	N/A	ND	PASS
Butane	10 / 50	5000	N/A	ND	PASS
Ethanol	20 / 50	5000	±6.2	163	PASS
Ethyl acetate	20 / 60	5000	N/A	ND	PASS
Ethyl ether	20 / 50	5000	N/A	ND	PASS
Heptane	20 / 60	5000	N/A	ND	PASS
Hexane	2 / 5	290	N/A	ND	PASS
Isopropyl Alcohol	10 / 40	5000	N/A	ND	PASS
Methanol	50 / 200	3000	N/A	ND	PASS
Pentane	20 / 50	5000	N/A	ND	PASS
Propane	10 / 20	5000	N/A	ND	PASS
Toluene	7 / 21	890	N/A	ND	PASS
Total Xylenes	50 / 160	2170	N/A	ND	PASS

CATEGORY 1 AND 2 RESIDUAL SOLVENTS
 Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

